

RESULT 6

Db AR226480 LOCUS AR226480 DEFINITION Sequence 5' from patent US 6444790. ACCESSION AR226480.1 VERSION 1. KEYWORDS Unknown. SOURCE ORGANISM Unclassified.

REFERENCE 1 (bases 1 to 749) Young, P. E., Ruben, S. M., Rosen, C. A. and Olsen, H. S.

AUTHORS TITLE Peptidoglycan recognition Proteins

JOURNAL Patent: US 6444790-A 5 03-SEP-2002;

FEATURES SOURCE 1. . . 749 /organism="unknown" /mol\_type="genomic DNA"

ORIGIN

Query Match Best Local Similarity 99.7%; Score 695; DB 6; Length 749; Matches 695; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 7

Db BD078857 LOCUS BD078857 DEFINITION Tumor proliferation inhibition- and apoptosis-associated gene and polypeptide and method of using the same. ACCESSION BD078857 VERSION BD078857.1 GI:22624460 KEYWORDS Homo sapiens (human)

REFERENCE 1 (bases 1 to 718) Georgiev, G., Kisslev, S., Prokhorchouk, E. and Ostermann, B.

AUTHORS TITLE Tumor proliferation inhibition- and apoptosis-associated gene and polypeptide and method of using the same

JOURNAL Patent: JP 2001509384-A 2 24-JUL-2001; BOHRINGER INGELHEIM INTERNATIONAL GMBH

COMMENT OS Homo sapiens (human)

PN JP 2001509384-A/2

PD 24-JUL-2001

PR 10-JUL-1997 US 08/893764

PI GEORGI T. GEORGIEV, SERGEI KISELEV, EGOR PROKHOCHOUK, ELIN BORG, PI OSTERMANN

PC C12N15/09, A61K35/76, A61K9/00, A61K48/00, A61P3/00, C07K14/525, C07K16/24, C12N17/15, C12N17/19, C12N1/21, C12N5/10, C12P21/02, C12P21/08 PC C12Q11/68, G01N33/33, C12N15/00, A61K3/00, C07K14/525, C12N15/00, A61K3/02, C12N5/00

CC Tumor proliferation and apoptosis-associated gene

CC and

CC polyptide and method of using the same

FF key Location/Qualifiers

FT 5'UTR 1. .67

FT CDS 68. .643

FT 3'UTR 644. .718

FT PolyA site 712. .714.

FEATURES SOURCE 1. . . 718 /organism="Homo sapiens" /mol\_type="genomic DNA" /db\_xref="taxon:9606"

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Db 632 ACGGTCCCTGAGGCCCTGATCGACCCATTCCCGCTCCATGGCAAAA 691

Qy 663 CCCACATGTCCTCCATTAAGATGAGTC 697

Db 692 CCCACATGTCCTCCATTAAGATGAGTC 726

Db 452 GCAACTACATGGATCGGGGCCACACCCAGGCCATCGGGCAGCCAGGGTCTACTGG 511

Qy 483 CCTGGGGTGTGGCTCAGGGAGCCTGAGGTCAAATAGTGTCTCAAAGAACCGGATG 542

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Qy 663 CCCACATGTCCTCCATTAAGATGAGTC 697

Db 692 CCCACATGTCCTCCATTAAGATGAGTC 726

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COMMENT OS Homo sapiens (human)

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PD 24-JUL-2001

PR 10-JUL-1997 US 08/893764

PI GEORGI T. GEORGIEV, SERGEI KISELEV, EGOR PROKHOCHOUK, ELIN BORG, PI OSTERMANN

PC C12N15/09, A61K35/76, A61K9/00, A61K48/00, A61P3/00, C07K14/525, C07K16/24, C12N17/15, C12N17/19, C12N1/21, C12N5/10, C12P21/02, C12P21/08 PC C12Q11/68, G01N33/33, C12N15/00, A61K3/00, C07K14/525, C12N15/00, A61K3/02, C12N5/00

CC Tumor proliferation and apoptosis-associated gene

CC and

CC polyptide and method of using the same

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FT CDS 68. .643

FT 3'UTR 644. .718

FT PolyA site 712. .714.

FEATURES SOURCE 1. . . 718 /organism="Homo sapiens" /mol\_type="genomic DNA" /db\_xref="taxon:9606"

ORIGIN

Query Match Best Local Similarity 98.6%; Score 674; DB 6; Length 718; Matches 680; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

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Qy 473 CCTAGCTTACACTCTGATTCAGGAGGGCTCGATACAGGGCTGGACT 362

Db 332 TGGCTTACACTCTGATTCAGGAGGGCTCGATACAGGGCTGGACT 391

Db 272 GCGAGCAGGGCCGGATGTCAGGACCTACACATAGAAGACCTGGTGGAC 331

Qy 303 TGGCTTACACTCTGATTCAGGAGGGCTCGATACAGGGCTGGACT 362

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Qy 363 TCAAGGTCCTCACTGACTATGGACCCATGTCCATTGACATAGTCATGG 422

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GenCore version 5.1.6  
 Copyright (c) 1993 - 2004 Compugen Ltd.

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 Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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5	1074	100.0	724	9 AF242517	AF242517 Homo sapi
6	1074	100.0	726	6 BD261706	BD261706 12 human
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23	415.5	38.7	555	3 DM856114	DM856114 Drosophili
24	415.5	38.7	555	3 DM856115	DM856115 Drosophili
25	415.5	38.7	555	3 DM855616	DM855616 Drosophili
26	415.5	38.7	555	3 DM855617	DM855617 Drosophili
27	415.5	38.7	555	3 DM855618	DM855618 Drosophili
28	415.5	38.7	555	3 DM855620	DM855620 Drosophili
29	415.5	38.7	555	3 DM855621	DM855621 Drosophili
30	414.5	38.6	555	3 DM855622	DM855622 Drosophili
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39	413	38.5	1128	6 AX119915	AX119915 Sequence
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LOCUS AF076483 690 bp mRNA linear PRI 15-AUG-1998  
DEFINITION Homo sapiens peptidoglycan recognition protein precursor (PGP)  
ACCESSION AF076483  
VERSION AF076483.1 GI:3342532  
KEYWORDS SOURCE  
ORGANISM Homo sapiens (human)  
AUTHORS Kang, D., Liu, G., Lundstrom, A., Gelius, E. and Steiner, H.  
TITLE A peptidoglycan recognition protein in innate immunity conserved  
from insects to humans  
JOURNAL Proc. Natl. Acad. Sci. U.S.A. 95 (17), 10078-10082 (1998)  
MEDLINE 98374308  
PUBMED 9707603  
REFERENCE 2 (bases 1 to 690)  
AUTHORS Kang, D., Liu, G., Lundstrom, A., Gelius, E. and Steiner, H.  
TITLE Direct Submission  
JOURNAL Stockholm S-106 91, Sweden  
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DEFINITION Sequence 215 from Patent WO078961.  
ACCESSION AX697147  
VERSION AX697147.1 GI:29499102  
KEYWORDS SOURCE  
ORGANISM Homo sapiens (human)  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Butheria; Primates; Catarhini; Hominidae; Homo.  
REFERENCE 1  
AUTHORS Ferrara, N., Stewart, T.A., Williams, P.M., Baker, K.P., Desnoyers, L., Eaton, D.L., Gao, W.Q., Pan, J., Botstein, D., Fong, S., Goddard, A., Godowski, P.J., Gurney, A.L., Smith, V., Tumas, D., Wood, W.I., Grimaldi, C.J., Hillan, K.J., Paoni, N.F., Roy, M.A. and Watanabe, C.K.  
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding the same  
Patent: WO 007861-A 215 28-DEC-2000;  
JOURNAL Genentech Inc. (US)  
FEATURES source  
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ORIGIN  
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Score: 1074.00 Matches: 196  
Percent Similarity: 100.00% Conservative: 0  
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RESULT 3

LOCUS AY358936 697 bp mRNA linear PRI 03-OCT-2003

DEFINITION Homo sapiens clone DNA66520 Granulocyte pep A (UNQ639) mRNA, complete cds.

ACCESSION AY358936

VERSION AY358936.1 GI:37182989

KEYWORDS F11 cDNA

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

REFERENCE

AUTHORS Clark, H. F., Clark, H. F., Chen, J., Chow, B., Chui, C., Crowley, C., Curreli, B., Deuel, B., Doud, P., Eaton, D., Foster, J., Grimaldi, C., Gu, Q., Hass, P. E., Heidens, S., Huang, A., Kim, H. S., Klimowski, L., Jin, Y., Lewis, L., Liao, D., Mark, M., Robbie, E., Sanchez, C., Schoenfeld, J., SeshaGiri, S., Simons, L., Singh, J., Smith, V., Stinson, J., Vagts, A., Vandlen, R., Watanabe, C., Wieden, D., Woods, K., Xie, M. H., Yasuda, D., Yi, S., Yu, G., Yuan, J., Zhang, M., Zhang, Z., Goddard, A., Wood, W. I., and Godowski, P.

TITLE The Secreted Protein Discovery Initiative (SPDI), a Large-Scale Effort to Identify Novel Human Secreted and Transmembrane Proteins: A Bioinformatics Assessment

JOURNAL Genome Res. 13 (10), 2265-2270 (2003)

PURMED 1297309

REFERENCE 2 (bases 1 to 697)

AUTHORS Clark, H. F.

TITLE Direct Submission

JOURNAL Submitted (01-AUG-2003) Department of Bioinformatics, Genentech, Inc., 1 DNA Way, South San Francisco, CA 94080, USA

FEATURES source

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Db 566 AACCACTCTTACCACTTCCAGATTGCCACACTACGCTCCCC 613

RESULT 4

LOCUS BD078857 718 bp DNA linear PAT 27-AUG-2002

DEFINITION tumor proliferation inhibition- and apoptosis-associated gene and polypeptide and method of using the same.

ACCESSION BD078857

VERSION BD078857.1 GI:2262460

KEYWORDS

SOURCE Homo sapiens (human)

ORGANISM Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 718)

AUTHORS Georgiev, G.; Kiselev, S.; Prokhorchouk, E. and Ostermann, E.  
 TITLE Tumor proliferation inhibition- and apoptosis-associated gene and polypeptide and method of using the same  
 JOURNAL Patent; JP 200109384-A, 2, 24-JUL-2001;  
 DOI DOI: 10.1509384-A/2  
 COMMENT OS Homo sapiens (human)

PN JP 200109384-A/2  
 PD 24-JUL-2001  
 PF 10-JUL-1998 JP 20000502182  
 PR 11-JUL-1997 US 08/893764  
 PT GEORGI GEORIEV, SERGEI KISELEV, EGOR PROKHOCHOUK, ELINBORG PI  
 CC OSTERMANN, PC C12N15/09, A61K35/76, A61K38/00, A61K48/00, A61P35/00, C07K14/525, C07K11/15, C12N1/19, C12N1/21, C12N5/10, C12P21/02, C12P21/08  
 CC C12N15/00, A61K37/02, C12N5/00  
 CC Tumor proliferation inhibition- and apoptosis-associated gene and method of using the same  
 CC polypeptide and method of using the same  
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 KEYWORDS  
 SOURCE Homo sapiens (human)

ORGANISM Homo sapiens  
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 Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo;  
 (bases 1 to 724)  
 AUTHORS Wan,T., Zhang,W. and Cao,X.  
 TITLE Direct Submission  
 JOURNAL Submitted (08-MAR-2000) Department of Immunology, Second Military  
 Medical University & Shanghai Brilliance Biotechnology Institute,  
 800 Xiangyan Rd., Shanghai 200433, P.R. China  
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ORIGIN

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 DB 270 CAGCACTTACCATGGAGACTGCTGGCGAGCTGGAGCTACCTGGTACGCTGATGGA 329  
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BD261706  
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DEFINITION 12 human secreted proteins.  
ACCESSION BD261706  
VERSION BD261706.1 GI:33071474  
KEYWORDS JP 2002330062-N/17.  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens

REFERENCE  
 Buxtorff, Metzger, Cuervo, Cuellar, Verco, *et al.*, *Macaca mulatta*,  
 Mammalia, *Metazoa*, Chordata, *Cetacea*, *Primates*, *Catarrhini*, *Hominidae*, *Homo*,  
 1 (bases 1 to 725)  
 AUTHORS  
 Ni, J., Rubin, M.S., Olsen, H.S., Young, P.E., Kenny, J.J., Moore, P.A.,  
 Wei, Y.F. and Greene, J.M.  
 TITLE  
 12 human secreted proteins  
 JOURNAL  
 Patent: JP 200251006-A-17 17-SEP-2002;  
 HUMAN GENOME SCIENCES INC  
 OS  
 Homo sapiens (human)  
 COMMENT  
 DN  
 TO 200251006-A/17

PP 27-OCT-1999 JP 2000592421  
PR 28-OCT-1998 US 60/10571  
PI JIAN NI, STEVEN M RUBEN, HENRIK S OLSEN, PAUL E YOUNG, JOSEPH J KENNY,  
PI PAUL A MOORE, YING FEI WEI, JOHN M GREENE  
PC C12N15/09, A61K31/7088, A61K35/76, A61K38/00, A61K39/395, A61K39/395,  
PC 395, A61K48/00,  
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PC C12R1:91', C12N15/00, C12N5/00, A61K37/02  
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KEYWORDS	Unknown.
SOURCE	Unknown.
ORGANISM	Unclassified.
REFERENCE	1 (baseball)
AUTHORS	Young, P.
TITLE	Peptidoglycan
JOURNAL	Patent:
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filed.  
S 1 to 749)  
E., Ruben, S.M., Rosen, C.A. and Olsen, H.S.,  
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US 6444790 A 5 03-SEP-2002;  
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US-10-015-390A-216  
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JOURNAL Proc. Natl. Acad. Sci. U.S.A. 95 (17), 10078-10082 (1998)  
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PROC. NATL. ACAD. SCI. U.S.A. 95 (17), 10078-10082 (1998)  
98374308  
MEDLINE  
PUBLISHED 9707603  
2 (bases 1 to 680)  
AUTHORS Kang, D., Liu, G., Lundstrom, A., Gelius, E. and Steiner, H.  
TITLE Direct Submission  
JOURNAL Submitted (00-JUL-1998) Microbiology, Stockholm University  
Stockholm S-106 94, Sweden  
RECEIVED 1998-07-01  
REVIEWED 1998-07-16  
ACCEPTED 1998-07-16  
PUBLISHED 1998-07-20

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US-10-0115-390A-216 (1-196) x AF193843 (1-669)

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QY 65 SerSerCysAsnThrProIaSerCysGlnGlnGlnIalaArgAsnValGlnHisTyrHis 845

238 AAGAATGAGCTGGCTGGTGGATGAGCTTACAGACTTCCTATTGGAGGAGGGTCAT 293

Qy 105 Val<sup>1</sup>Tyr<sup>2</sup>Glu<sup>3</sup>Gly<sup>4</sup>Arg<sup>5</sup>Gly<sup>6</sup>Trp<sup>7</sup>Asn<sup>8</sup>Pro<sup>9</sup>Phen<sup>10</sup>Thr<sup>11</sup>Gly<sup>12</sup>Ala<sup>13</sup>His<sup>14</sup>Ser<sup>15</sup>Gly<sup>16</sup>His<sup>17</sup>Ile<sup>18</sup>Trp<sup>19</sup>Asn<sup>20</sup>Pro<sup>21</sup> 12

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 MUS musculus

ACCESSION  
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VERSION: AF076482.1  
TITLE: *Complete sub-*  
*lucua*

KEYWORDS : **source** ; **musculins** ; **bonne posture**

JOURNAL	from insects to humans
PROC. NATL. ACAD. SCI. U.S.A.	95 (17), 10078-10082 (1998)
MEDLINE	98374308
PUBLISHED	9707603
REFERENCES	2 (bases 1 to 680)
AUTHORS	Kang, D., Liu, G., Lundstrom, A., Gellius, E. and Steiner, H.
TITLE	Direct Submission
JOURNAL	Submitted (05-JUL-1998) Microbiology, Stockholm University, Stockholm S-106 91, Sweden
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 Qy 165 TyrValLeuLysGlyHisAspGlyValGlnArgThrLeuSerProGlyAspGlnLeuTyr 184  
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VERSION	Ar124884.1				
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ORGANISM	Unclassified.				
REFERENCE	1. (bases 1 to 549) Georgiev, G.P., Kislev, S.L., Prokhorchouk, B.B. and Ostermann, E.				
AUTHORS					
TITLE	Nucleic acid encoding tag7 polypeptide				
JOURNAL	Patent: US 6172211-A 1 09-JAN-2001;				
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QY	86 LysThrLeuGlyTrpCysIspValGlyTrpAsnBheLeuIleGlyGluAspGlyLeuVal	Conservative:	21		
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Gencore version 5.1.6  
(c) 1993 - 2004 Compugen Ltd.

## OM nucleic - nucleic search, using sw model

score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Run on: May 16, 2004, 04:42:06 ; Search time 3000 Seconds  
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Maximum Match 100%

Listing first 45 summaries

Database : GenBank\*

1: gb\_ba:\*

2: gb\_btg:\*

3: gb\_jn:\*

4: gb\_on:\*

5: gb\_ov:\*

6: gb\_pt:\*

7: gb\_ph:\*

8: gb\_pl:\*

9: gb\_pr:\*

10: gb\_ro:\*

11: gb\_sts:\*

12: gb\_sy:\*

13: gb\_un:\*

14: gb\_vl:\*

15: em\_ba:\*

16: em\_fun:\*

17: em\_hum:\*

18: em\_in:\*

19: em\_mu:\*

20: em\_on:\*

21: em\_mx:\*

22: em\_ov:\*

23: em\_pat:\*

24: em\_ph:\*

25: em\_pi:\*

26: em\_co:\*

27: em\_sis:\*

28: em\_un:\*

29: em\_vl:\*

30: em\_hg\_hum:\*

31: em\_hg\_inv:\*

32: em\_hg\_other:\*

33: em\_hg\_mus:\*

34: em\_hg\_pth:\*

35: em\_hg\_rnd:\*

36: em\_hg\_mam:\*

37: em\_hg\_vrt:\*

38: em\_sv:\*

39: em\_hg\_o\_hum:\*

40: em\_nvgo\_mus:\*

41: em\_nvgo\_other:\*

Result No.	Score	Query Match	Length	DB	ID	Description
1	697	100.0	697	6	AJ697147	AJ697147 Sequence
2	697	100.0	697	9	AY358936	AY358936 Homo sapi
3	695	99.7	726	9	AF242517	AF242517 Homo sapi
4	695	99.7	726	6	SD261766	SD261766 12 human
5	695	99.7	749	6	BD226760	BD226760 Peptidogly
6	695	99.7	749	6	AR226480	AR226480 Sequence
7	674	96.7	718	6	BD078857	BD078857 Tumor Pro
8	657.8	95.8	690	9	AF076433	AF076433 Homo sapi
9	537	77.0	537	6	AJ778312	AJ778312 Sequence
10	394	56.5	700	4	CDR13176	CDR13176 Camelus d
11	357.4	51.3	380	6	BR204097	BR204097 5'EST and
12	352.6	50.6	688	4	AY083349	AY083349 Bos tauru
13	316.6	45.4	549	6	AR124894	AR124894 Sequence
14	316.6	45.4	549	6	BD078856	BD078856 Tumor pro
15	315.6	45.4	669	10	AP19843	AP19843 Mus muscu
16	315.6	45.4	680	10	AF076482	AF076482 Mus muscu
17	315	45.2	713	10	BC005582	BC005582 Mus muscu
18	312.6	44.8	166500	9	AC007795	AC007795 M. musculus
19	302.6	43.4	678	10	MNRNAMS1	X86374 M. musculus
20	295.6	42.4	630	10	AR154114	AR154114 Rattus no
21	237	34.0	285	6	BD261755	BD261755 12 human
22	234.4	33.6	457	6	BD261756	BD261756 12 human
23	185.4	26.6	259	4	SSG310355	SSG310355 Sus scrofa
24	161.4	23.2	5358	4	CIR409886	AJ402286 Camelus d
25	148.6	21.3	558	3	DME556115	AJ556115 Drosophili
26	148.6	21.3	555	3	DME556116	AJ556116 Drosophili
27	148.6	21.3	555	3	DME556220	AJ556220 Drosophili
28	147.4	21.1	555	3	DME556288	AJ556288 Drosophili
29	147.4	21.1	558	3	DME556899	AJ556899 Drosophili
30	147.4	21.1	558	3	DME556910	AJ556910 Drosophili
31	147.4	21.1	558	3	DME556911	AJ556911 Drosophili
32	147.4	21.1	558	3	DME556912	AJ556912 Drosophili
33	147.4	21.1	558	3	DME556913	AJ556913 Drosophili
34	147.4	21.1	558	3	DME556914	AJ556914 Drosophili
35	147.4	21.1	558	3	DME556915	AJ556915 Drosophili
36	147.4	21.1	558	3	DME556916	AJ556916 Drosophili
37	147.4	21.1	558	3	DME556917	AJ556917 Drosophili
38	147.4	21.1	558	3	DME556918	AJ556918 Drosophili
39	147.4	21.1	558	3	DME556919	AJ556919 Drosophili
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41	147.4	21.1	169509	3	AC007303	AC007303 Drosophili
42	147.4	21.1	172038	2	AC020451	AC020451 Drosophili
43	147.4	21.1	259883	3	AE03336	AE03336 Drosophili
44	147	21.1	555	3	DME556114	AJ556114 Drosophili
45	147	21.1	555	3	DME556117	AJ556117 Drosophili

## ALIGNMENTS

RESULT 1  
AX697147 LOCUS AX697147  
DEFINITION Sequence 215 from Patent WO0078961.  
ACCESSION AX697147  
VERSION AX697147.1 GI:29498102  
KEYWORDS  
SOURCE Homo sapiens (human)  
ORGANISM Homo sapiens (human)  
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.  
REFERENCE 1 Ferrara,N., Stewart,T.A., Williams,P.M., Baker,K.P., Desnoyers,L.,  
Baton,D.L., Gao,W.Q., Pan,J., Botstein,D., Fong,S., Goddard,A.,  
Godowski,P.J., Gurney,A.L., Smith,V., Tumas,D., Wood,W.I.,  
Pried No is the number of results predicted by chance to have a

**SOURCE** Homo sapiens (human)  
**ORGANISM** Homo sapiens  
**FEATURES**  
**source** 1. .697  
**organism** "Homo sapiens"  
**mol\_type** "unassigned DNA"  
**db\_xref** "taxon:9606"  
**ORIGIN**  
**Query Match** 100.0%; Score 697; DB 6; Length 697;  
**Best Local Similarity** 100.0%; **Pred.** No. 1.2e-143; **DB** 6; **Length** 697;  
**Matches** 697; **Conservative** 0; **Mismatches** 0; **Indels** 0; **Gaps** 0;  
**QY** 1 TCCCGACCCCGCCGCGACTATGCGCGCTATCGCGCTGCCGGCT 60  
**Db** 1 TCCCGACCCCGCCGCGACTATGCGCGCTATCGCGCTGCCGGCT 60  
**QY** 61 CCCAGCTCTCGACTCGAGGCCTCGACATCTCGCGCTCTCGACCC 120  
**Db** 121 CATACTGCCCGAACAGGTGGAGAGGCCATCGAGCTGGCCGAGCT 180  
**QY** 181 GCGCTTAGCTATGCTGGATCGAACCGGGGGAGCAGCTGCGCCAGAC 240  
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**QY** 241 GRCGACAGAGGGCGAATGCGAGCACTTGAAGACTGCTGGCTGGAA 300  
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**QY** 301 CGTGGCTACACTCTGATGGAGAGAGGGCTGATACTGGGGGGGGGGAA 360  
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**QY** 361 CTCACAGGGTGCACACTGGGACTATGGAAACCCCTGCTGGCATGGTCA 420  
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**QY** 421 GGGCAACTACATGGATCGCGCCACCCCCAGGCCACCCCGGCGGTCACT 480  
**Db** 421 GGGCAACTACATGGATCGCGCCACCCCCAGGCCACCCCGGCGGTCACT 480  
**QY** 481 GGCGTGCCTGCTGGCTCGAGGAGGCCCTGGGGCTCAACTATGCTCAAGGAACCGGGGA 540  
**Db** 481 GGCGTGCCTGCTGGCTCGAGGAGGCCCTGGGGCTCAACTATGCTCAAGGAACCGGGGA 540  
**QY** 541 TGTGCACTGCTGGCTCGAGGAGGCCCTGGGGCTCAACTATGCTCAAGGAACCGGGGA 600  
**Db** 541 TGTGCACTGCTGGCTCGAGGAGGCCCTGGGGCTCAACTATGCTCAAGGAACCGGGGA 600  
**QY** 601 CTACCGCTCCCGAGGCGCTCGATGGCGACCCCATTCCTCCCTCTGGCAAA 660  
**Db** 601 CTACCGCTCCCGAGGCGCTCGATGGCGACCCCATTCCTCCCTCTGGCAAA 660  
**QY** 661 AACCCACTCTCTCTCCAAATAAAGATGAGTC 697  
**Db** 661 AACCCACTCTCTCTCCAAATAAAGATGAGTC 697  
**RESULT** 2  
**LOCUS** AY358936  
**DEFINITION** Homo sapiens clone DNA66520 Granulocyte D<sup>ep</sup> A (UNG639) mRNA, complete cds.  
**ACCESSION** AY358936  
**VERSION** AY358936.1  
**KEYWORDS** FLI\_CDNA.

**SOURCE** Homo sapiens (human)  
**ORGANISM** Homo sapiens  
**FEATURES**  
**source** 1. .697  
**organism** "Homo sapiens"  
**mol\_type** "unassigned DNA"  
**db\_xref** "taxon:9606"  
**ORIGIN**  
**Query Match** 100.0%; Score 697; DB 9; Length 697;  
**Best Local Similarity** 100.0%; **Pred.** No. 1.2e-143; **DB** 9; **Length** 697;  
**Matches** 697; **Conservative** 0; **Mismatches** 0; **Indels** 0; **Gaps** 0;  
**QY** 1 TCCCGACCCCGCCGCGACTATGCGCGCTATCGCGCTGCCGGCT 60  
**Db** 1 TCCCGACCCCGCCGCGACTATGCGCGCTATCGCGCTGCCGGCT 60  
**QY** 61 CCCAGCTCTCGACTCGAGGGCTGAGGAGAGAGCCGGCTGCGCC 120  
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**QY** 121 CATACTGCCCGAACAGGTGGAGAGGCCATCGAGCTGGCATGGTCA 180  
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**QY** 181 GCCTTAQGCTATGCTGGATCGAACCGGGGGAGCAGCTGCGCCAGAC 240  
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**QY** 301 CGTGGCTACACTCTGATGGAGAGAGGGCTGATACTGGGGGGGGAA 360  
**Db** 301 CGTGGCTACACTCTGATGGAGAGAGGGCTGATACTGGGGGGGGAA 360



LOCUS	BD267640
DEFINITION	Peptidoglycan recognition proteins.
VERSION	BD267640
KEYWORDS	JP 200253134-8/3.
SOURCE	PC
ORGANISM	Homo sapiens (human)
REFERENCE	Rosen,C.A., Ruben,S.M., Young,P.B. and Olsen,H.S.
AUTHORS	Rosen,C.A., Ruben,S.M., Young,P.B. and Olsen,H.S.
TITLE	Peptidoglycan recognition proteins
JOURNAL	Patent: JP 200253134-A 3 08-OCT-2002;
COMMENT	HUMAN GENOME SCIENCES INC
FEATURES	source
source	1. .726
	/organism='Homo sapiens'
	/mol_type='genomic DNA'
	/db_xref='taxon:9606'
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Query Match	99.7%; Score 695; DB 6; Length 726;
Best Local Similarity	100.0%; Pred. No. 3.2e-143;
Matches	695; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
3	CGGACCTCTGGCCCTGCCACTATGCGCCCGCGCTATCTGCTGCGCTGGCTCC 62
9	CGGACCTCTGGCCCTGCCACTATGCGCCCGCGCTATCTGCTGCGCTGGCTCC 68
63	CGAGCCCTCTGACTGGAGCGAGCGCTAGAGAGACAGAGACCGCGCTGGCTCC 122
69	CGACCTCTGGACTGGAGCGAGCGCTAGAGAGACAGAGACCGCGCTGGCTCC 128
123	TAGTGCCTGGAGAGAGCTGGAGAGCGAGCGCTGGAGAGCGAGCGCTGGCTCC 182
129	TAGTGCCTGGAGAGAGCTGGAGAGCGAGCGCTGGAGAGCGAGCGCTGGCTCC 188
183	CCTTACGCTATGGTGTGGTATGGACACGGCGGGAGAGCGAGCTGGCTGGCTCC 242
189	CCTTACGCTATGGTGTGGTATGGACACGGCGGGAGAGCGAGCTGGCTGGCTCC 248
243	GGCAGCAGGGCGGAGAGAGCTGGAGAGCGAGCTGGCTGGCTGGCTGGCTCC 302
249	GGCAGCAGGGCGGAGAGAGCTGGAGAGCGAGCTGGCTGGCTGGCTGGCTCC 308
303	TGGCTCTACTCTGATGGAGAGAGGGCTGATACGGGGCTGACTCTGACTGACT 362
309	TGGCTCTACTCTGATGGAGAGAGGGCTGACTCTGACTGACTCTGACTGACT 368
363	TGAGGGGGCCACTCTGACTCTGACTCTGACTCTGACTCTGACTCTGACTCTG 422
369	TCACTGGTGGCACTCTGACTCTGACTCTGACTCTGACTCTGACTCTGACTCTG 428
423	GCACATCTGGTGGCCACCCAGGCGACGGCGAGCCAGGGCTCTGACTCTG 482
429	GCACATCTGGTGGCCACCCAGGCGACGGCGAGCCAGGGCTCTGACTCTG 488
483	CCTGGGGTGTGGCTCAGGGAGCTGAGTCTGCTCAAGGACACGGGTG 542
489	CCTGGGGTGTGGCTCAGGGAGCTGAGTCTGCTCAAGGACACGGGTG 548
543	TGCAGGTTACTCTCTCCAGGACACAGCTTACCTCTGAGAATGGCAACT 602
549	TGCAGGTTACTCTCTCCAGGACACAGCTTACCTCTGAGAATGGCAACT 608
603	ACCGCTCCCTGAGGCCCTGCTGATCCACCCATCTCCCTCCATGCCALAA 662
609	ACCGCTCCCTGAGGCCCTGCTGATCCACCCATCTCCCTCCATGCCALAA 668
663	CCCACTGTCCTCTCCATAAAGATGAGCTC 697
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	/mol_type='genomic DNA'
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Query Match	99.7%; Score 695; DB 6; Length 749;
Best Local Similarity	100.0%; Pred. No. 3.2e-143;
Matches	695; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
3	CGGACCTCTGGCCCTGCCACTATGCGCCCGCGCTATCTGCTGCGCTGGCTCC 62
32	CGGACCTCTGGCCCTGCCACTATGCGCCCGCGCTATCTGCTGCGCTGGCTCC 91
63	CGAGCCCTCTGACTGGAGAGAGCTGGAGAGCGAGCGCTGGAGAGCGAGCGCTGG 122
92	CGACCTCTCTGACTGGAGAGAGCTGGAGAGCGAGCGCTGGAGAGCGAGCGCTGG 151
123	TAGTGCCTGGAGAGAGCTGGAGAGCGAGCGCTGGAGAGCGAGCGCTGGCTCC 182
183	CCTTACGCTATGGTGTGGTATGGACACGGCGGGAGAGCGAGCTGGCTGGCTCC 242
212	CCTTACGCTATGGTGTGGTATGGACACGGCGGGAGAGCGAGCTGGCTGGCTCC 271
243	GCACAGGAGAGGGAGATGGAGAGCGAGCTGGAGAGCGAGCTGGCTGGCTCC 302
303	TGGCTCTACTCTGACTCTGACTCTGACTCTGACTCTGACTCTGACTCTGACT 362
332	TGGCTCTACTCTGACTCTGACTCTGACTCTGACTCTGACTCTGACTCTGACT 391
363	TCACTGGGGTGTGGCTCAGGGAGCTGAGTCTGCTCAAGGACACGGGTG 422
392	TCACTGGGGTGTGGCTCAGGGAGCTGAGTCTGACTCTGACTCTGACTCTGACT 451
423	GCACATCTGGTGTGGCTCAGGGAGCTGAGTCTGACTCTGACTCTGACTCTG 482

452 GCAACTACTGGATGGGTCACCCAGGCATCGGCAGGGCTACTGG 511  
 Db  
 QY 483 CCTCGGTTGGCTCAGGAGCCGTGAGTCACATGGTCTCAAAGACCGGATG 542  
 Db 512 CCTCGGTTGGCTCAGGAGCCGTGAGTCACATGGTCTCAAAGACCGGATG 571  
 Db 543 TCGAGCTTACACTCTCCAGGACCACTCTACCCACTTCAGATGGCAACT 602  
 Db 572 TCGAGCTTACACTCTCCAGGACCACTCTACCCACTTCAGATGGCAACT 631  
 QY 603 ACCCTCCCTAGGGCTGCTATCCACCCATTCCTCCCTCCATGGCAAAA 662  
 Db 632 ACCCTCCCTAGGGCTGCTATCCACCCATTCCTCCCTCCATGGCAAAA 691  
 QY 663 CCCACTGTCCTCTCCATAAAGATAGTC 697  
 Db 692 CCCACTGTCCTCTCCATAAAGATAGTC 726

RESULT 6

AR226480 AR226480 Sequence 5 from patent US 6444790. DNA linear PAT 20-DEC-2002

LOCUS DEFINITION ACCESSION VERSION

KEYWORDS SOURCE

ORGANISM

REFERENCE

AUTHORS Young, P.E., Ruben, S.M., Rosen, C.A. and Olsen, H.S.

TITLE Peptidoglycan recognition Proteins

JOURNAL Patent: US 6444790-A 03-SEP-2002;

FEATURES Location/Qualifiers 1..749

Source /mol\_type="genomic DNA"

ORIGIN

Query Match 99.7%; Score 695; DB 6; Length 749;

Best Local Similarity 100.0%; Pred No. 3..28-143; Mismatches 0; Indels 0; Gaps 0;

Matches 695; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 QY 63 CGAGCTCTTGACTGGAGGGCTGAGGAGCAGAGACCCGCTGAGCCCA 122  
 Db 92 CGGACCTGCGCCCTGCACTATGCGCCGCTCTAGTCTGTGAGCTTC 151  
 Db 123 TAGTGCCTGGAGCAGCTGGAGGCTGAGCTGGAGCCAGGCTGAGCTC 182  
 Db 152 TAGTGCCTGGAGCAGCTGGAGGCTGAGCTGGAGCCAGGCTGAGCTC 211  
 QY 183 CCTTACCGTATGGTGTATGGACAGGGAGGGCTGAGCTGGAGCCAGGCTG 242  
 Db 212 CCTTACCGTATGGTGTATGGACAGGGAGGGCTGAGCTGGAGCCAGGCTG 271  
 QY 243 GCGAGCAGCAGGGCCGAGATGGAGCACTACAGTGAAGCACTGGCTGTGAG 302  
 Db 272 GCGAGCAGCAGGGCCGAGATGGCTGTGAGCTACAGTGAAGCACTGGCTGTGAG 331

QY 303 TGGCTGACTTCTGTGAGGAAGAGGCGCTGATGAGGGCTGAGCTGGAGCT 362  
 Db 332 TGGCTGACTTCTGTGAGGAAGAGGCGCTGAGCTGGAGCTGGAGCT 391  
 QY 363 TCAGGGCCACTCAGGACTTAACTGAGACCCATGGCTATGGCTAGCTGG 422  
 Db 392 TCAAGGGGCCACTCAGGACTTAACTGAGACCCATGGCTAGCTGG 451  
 QY 423 GCAACTAATGGATGGGTCACCCAGGCATCGGCAGGGCTACTGG 482

RESULT 7

BD078857

LOCUS

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

OS

PN

PN

PP

PR

PI

GEORGI GEORGOV, SERGEI KISELEV, PROKHORCHOUK, ELINBORG

OSTERMANN

PC

C07K15/09, A61K35/76, A61K38/00, A61K48/00, A61P35/00, C07K14/525,

PC

C12N1/15, C12N1/19, C12N1/21, C12N5/10, C12P21/02, C12P21/08

PC

C12Q1/68, G01N3/53,

PC

C12N5/00, A61K37/02, C12N5/00

CC

Tumor proliferation inhibition- and apoptosis-associated gene

and





RESULT 11

LOCUS BD204097

DEFINITION 5'EST and human protein encoded thereby.

ACCESSION BD204097

VERSION JP 2002511259-A/301

KEYWORDS

SOURCE Homo sapiens (human)

ORGANISM

REFERENCE Mammalia; Eutheria; Primates; Catarrhini; Vertebrata; Buteleostomi; Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo. 1 (bases 1 to 380)

AUTHORS Edwards, J.B.D.M., Ducleurt, A. and Giordano, J.Y.

TITLE 5'EST and human protein encoded thereby

JOURNAL Patent: JP 2002511259-A 301 16-APR-2002;

COMMENT

GENSET

OS Homo sapiens (human)

PN JP 2002511259-A/301

PD 16-APR-2002

PP 09-APR-1999 JP 2000543599

PR 09-APR-1998 US 09/057719, 28-APR-1998 US 09/069047 PI

JEAN BAPTISTE DUMAS MLNE EDWARDS, AMERIC DUCLEURT, JEAN YVES PI

GIORDANO PC C12N15/09, C12N15/09, C07K14/47, C07K16/18, C12M1/00, C12N1/15, PC C12N1/19, C12N1/21, C12N5/10, C12P21/02, C1Q1/B8, G01N33/53, G01N33/566, PC G06F17/50//, G06F17/30, C12N15/00, C12N5/00, C12N15/00, PC G06F17/30, C12N15/00, C12N5/00, C12N15/00, Von Heijne matrix CC score 5.69999980926514

CC seq LAWALPSLRIGs/AQ

CC seq LAWALPSLRIGs/AQ

PH Key g, c or t Location/Qualifiers

FT CDS 33..380

FT sig\_peptide 33..92

FT misc\_feature 326..

FEATURES

FEATURES source

1..380 /organism="Homo sapiens" /mol\_type="genomic DNA" /db\_xref="taxon:9606"

ORIGIN

Query Match 51.3%; Score 357.4; DB 6; Length 380; Best Local Similarity 98.1%; Pred. No. 1.3e-68; Matches 366; Conservative 5; Mismatches 1; Indels 1; Gaps 1;

Db 444 CCACACCCAGGCCATCGGGCAGCCCCAGCTACTGCGCTGAGCTCAGGGAG 503

Db 437 CCCGCCGCCGCCCTGGGCCAGCTCAAGATCTGCTGCTGCTGCTGGAG 496

Qy 504 CCTGAGGCCACTATGGCTCAAGACGCCATGCCAGCTACTCTCTCCAG 563

Db 497 CCCTGACTTCGACTCAGGCTGAGGCTGAGCTGGAG 556

Qy 564 GCACACGGCTTACCACTCATCCAGAATGGCCACACTACCGCTCCCTGAGGGCTG 623

Db 557 GTCACCGCTCTAGAATCATCCTCAACTTGCTCACACTACCGC-GCATAGGCTCTC 615

Qy 624 CTGATCCACCCOATCTCTCCCTCCATGGCCAAACCCACTG---TCCTCTC 679

Db 616 CGCTCGCACACGCTCCATCCACTCTGTCAGAAACCCACTGCTCCCTCC 675

Qy 650 CCATAAAGATGAGCTC 697

Db 676 CCGTAAGGGTGGAGCTC 693

RESULT 12

LOCUS AY083309

DEFINITION Bob taurus oligosaccharide-binding protein manA, complete cds.

ACCESSION AY083309

VERSION AY083309.1

KEYWORDS

SOURCE

ORGANISM

REFERENCE Bob taurus (cow)

AUTHORS Bob taurus

1 (bases 1 to 688)

TYDELL,C.C., YOUNT,N., TRAN,D., YUAN,J. and SELSTED,M.E.

TITLE Isolation, characterization, and antimicrobial properties of bovine oligosaccharide-binding protein. A microbial granule protein of eosinophils and neutrophils

JOURNAL J. Biol. Chem. 277 (22), 19658-19664 (2002)

MEDLINE 22028028

PUBMED 11880375

REFERENCE 2 (bases 1 to 688)

AUTHORS YOUNT,N.Y., YUAN,J., TYDELL,C.C. and SELSTED,M.E.

TITLE Direct Submission

JOURNAL Submitted (11-MAR-2002) Pathology, UC IRVINE, 4400 Medical Sciences 1, Irvine, CA 92697, USA

FEATURES

FEATURES source

1..688 /organism="Bob taurus"

/mol\_type="mRNA"

/db\_xref="taxon:9513"

/cell\_type="Peripheral white blood cells"

29..601

/note="microcidil; undergoes N-terminal glutamine cyclization; Peptidoglycan recognition protein; PGPR"

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Qy 121 CATTGTGCCGGAAAGGTGGAGGCTCTGACATCAGTCAGCGCCAGGCTGAGCT 180

Db 128 CATTGTGCCGGAAAGGTGGAGCCTGCTGAGCTGGCCAGCACCTGAACT 187

Qy 181 GCCTTAGCTTGTGGCTGAGTGGCTGAGCTGAGCTGGCTGAGCTGGAG 240

Db 188 GCCTTACCTATGTGGCTGAGCTGAGCTGGCTGAGCTGGAG 247

Qy 241 GTGCGAGCGAGCCCGAGTGTGAGCTACATGAGACACTGAGCTGGAG 300

Db 248 GTGCCAGCGAGCCCGAGTGTGAGCTACATGAGACACTGAGCTGGAG 307

Qy 301 CGTGGCTTACACTCTT-GATGGAGAGGGCTGTATAGGGCCCTGGTGA 359

Db 308 CGTGGCTTACACTCTT-GATGGAGAGGGCTGTATAGGGCCCTGGTGA 367

Qy 360 ACTTCACGGGTG 372

Db 368 ACTTCACGGTSC 380

ORIGIN

Query Match 51.3%; Score 357.4; DB 6; Length 380; Best Local Similarity 98.1%; Pred. No. 1.3e-68; Matches 366; Conservative 5; Mismatches 1; Indels 1; Gaps 1;

Db 1 TCCCGAGCCGCCSCTGCACTATGTCGGCGCTCTATGCTGCTGCTGGCTC 60

Db 8 TCCCGGCCCTGGCCCTGCACTATGTCGGCGCTCTATGCTGCTGCTGGCTC 67

Qy 61 CCCAGCTCCTTCGACTTCGGAGCGGCTCAGGAGACGAGACCCGGCTGCTGAGCC 120

Query Match	50.6%	Score	352.6;	DB	4;	Length	688;
Best Local Similarity	72.8%	Pred.	No. 1.4e-67;				
Matches	490;	Conservative	0;	Mismatches	164;	Indels	19;
						Gaps	2;
QY	24	CTATGCCGCCGCTATGGCTGTGCTGGGCTCCCAACTCTTCAGTCGGAG 83					
	27	CCATGTCGGCTACACACGGCTGCGCTTCCTCCGCTCTGGGG 86					
Db							
QY	84	CGGCTCAGGAGACAGAGAGCCGGCTGTGCGCCCATATAGTGCCCGGAAGAGTGA 143					
	87	CGGCTCAAGA-----CTGGCGCAGGATGTCGTCGGGAAGTGG 128					
Db							
QY	144	AGGCGCTTGCATCGAGTCGGCCAGACCTGAGCTGAGCTGGCTGGCTTACGGATGATG 203					
	129	GCGCCCTGGCATCCAAAGTGAGCAGGCTTAAGACAGCCTGCGCTACAGTGGT 188					
Db							
QY	204	CGCCTACGCGGGAGCAGCAGCTGCAACACCCCGCTCTGCGCAGCAGGCGATG 263					
	189	CGCACACGGGGCGCGCTGCAACACTCGGCTGGCGACTACCTGAGCTGAGC 248					
Db							
QY	264	TGCACCACTACATGAGACACTGGGGGGGAGCTGCTGCTGCTGATCTGATTG 323					
	249	TGCACTACTACACAGTGCGGGAGCGGGCTGGCTGAGCTGAGCTGATCTGATG 308					
Db							
QY	324	GAGAGACGGCTGTAGAGGGCGCTGGCTGAGAATTCAGGGGCGCCATGAGC 383					
	309	GAGAGATGGCTGTAGAGGGCGCCATGAGCTGAGCTGAGCTGAGCTGAGC 368					
Db							
QY	384	ACTTATGGACCCCGTGTGCTATGGCATAGCTCATGGCAACTACATGGATGGTGC 443					
	369	CCACTGGACCCCTAGGATGCGATGAGCTGAGCTGAGCTGAGCTGAGCTGG 428					
Db							
QY	444	CCACACCCGCGATCCGGCGACCCAGGTCTACTGCCTCGGTGTGGCTAGGG 503					
	429	CCCGACCTCTGCTCAGGGGGCCCAAGAGTCGCTGGCTGAGCAGCTGGGG 488					
Db							
QY	504	CCCTGAGGTCACATGTCGCAAGGGACCGGATGAGCTGAGCTCTCGAG 563					
	489	ACCTGACTCTAACAGGAGTCAGGACACGGATGAGCTGAGCAGCTGAGCT 548					
Db							
QY	564	GCAACCGAGCTTACACCTATCCGAATGGCCACATACCGCTCCCTGAGGCCCTG 623					
	549	GGGAGGAGCTTAAATCATTCGAGCTGGCGACTACCGCGCTGAGGGCTG 608					
Db							
RESULT 13							
AR124884	LOCUS	BD078856	549 bp	DNA	Linear	PAT	27-AUG-2002
DEFINITION							
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VERSION							
KEYWORDS							
SOURCE							
ORGANISM							
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AUTHORS							
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TITLE							
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KEYWORDS							
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ORGANISM							
REFERENCE							
AUTHORS	1 (bases 1 to 549)	Georgiev, G.P., Kiselev, S.L., Prokhorchouk, E.B. and Ostermann, E.					
JOURNAL							
TITLE							
FEATURES							
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